

Index

- Accident reporting system, standard, 158.
 Accident spot map, 17.
 ACCIDENTS, FINDING CAUSES OF. Sidney J. Williams, 156-60.
 Accidents: acute angle streets as breeder of, 167; causes of, 160; where they occur, 179.
 Airplane landing fields, 55.
 Arcading, 53. *See also* streets and sidewalks.
 Automobile storage: garages, 85; increase of garage usage, 87; non-profit, 88.
 Automobiles: reason for increasing use, 195; use of private, 194.
 BARBER, A. B. Making Our Traffic Laws Uniform, 128-33.
 BEECROFT, DAVID. Equipment and Control of the Motor Vehicle, 140-3.
 BELL, J. HASLETT. The Pedestrian and the City Plan, 207-14.
 BIBBINS, J. ROWLAND. Rapid Transit Development and the Modern City Plan, 194-9.
 BLACK, RUSSELL VAN NEST. The Spectacular in City Building, 50-6.
 Book Department, 250.
 BROUSSEAU, A. J. New Speed Laws for a New Era, 134-9.
 Business districts, the lighting recipes of, 36, 40.
 BUTTENHEIM, HAROLD S. The Problem of the Standing Vehicle, 144-55.
 Car-minute, the money value of a, 175, 176.
 Car, the standing, 5. *See also* parking.
 CAUCHON, NOULAN. Planning organic Cities to obviate congestion, 241-6.
 Centralization, forces acting for, 238. *See also* cities.
 Chicago Loop District, 196.
 Cities: advantages and disadvantages of decentralized, 236; double in population, 196; similarity of small and large, 195; planned to obviate congestion, 241.
 CITIES, TRANSIT FACILITIES OF. John P. Hallihan, 57-66.
 City, business district the show window of, 35.
 CITY BUILDING, THE SPECTACULAR IN. Russell Van Nest Black, 50-6.
 City building, theory of, 236.
 City, inefficiency and wastefulness of the super-, 51.
 City plan, elements in a successful, 248.
 CITY PLAN, RAPID TRANSIT DEVELOPMENT AND THE MODERN, J. Rowland Bibbins, 194-9.
 CITY PLAN, THE PEDESTRIAN AND THE. J. Haslett Bell, 207-14.
 CITY PLAN, THE PLACE OF THE MOTOR TRUCK IN THE MODERN. B. F. Fitch, 200-6.
 CITY PLAN, THE PLACE OF THE STREET CAR IN THE MODERN. Lucius S. Storrs, 186-93.
 CITY PLANNING ADMINISTRATION, OVERCOMING DIFFICULTIES IN. J. T. Woodruff, 247-9.
 City Planning; coöperation of newspapers in, 248; reasons for failure in, 247; the element of public contact in, 248.
 City, the probable American, 2.
 City, traffic in the centralized, 234.
 CONGESTION, PLANNING ORGANIC CITIES TO OBVIATE. Noulan Cauchon, 241-6.
 CRANE, JACOB L. Decentralization; Eventually but Not Now, 234-40.
 Crossings, economics of grade, 172.
 CROSSINGS, GRADE. Fred Lavis, 172-7.
 DECENTRALIZATION, EVENTUALLY BUT NOT NOW. Jacob L. Crane, Jr., 234-40.
 Decentralization: advocated, 154; essential, 201; residential, in New York, Philadelphia, Detroit, Chicago, Cleveland, and Seattle, 237; tendency toward in larger cities, 216; the pattern of, 235.
 Distribution; by various modes of street transportation, 12; efficiency of, 245.
 Driver, the dangerous, 164.
 du Pont Highway, the, 219.
 Ferries, New Jersey-Manhattan, 70.
 FITCH, B. F. The Place of the Motor Truck in the Modern City Plan, 200-6.
 Freight, trucking of, 203.
 Garages: location and type of construction, 85; increase, 87; non-profit storage, 88.
 Garages, Downtown Storage. Hawley S. Simpson, 82-9.
 GOODRICH, ERNEST P. Zoning and Its Relation to Traffic Congestion, 222-33.
 Grade crossings, 32.
 HAAS, O. F. Planning the Street Lighting System, 34-49.
 HALLIHAN, JOHN P. Transit Facilities of Cities, 57-66.
 Highways; as carriers of public utilities, 217; beauty as an element of, 217; elevated, 52; 204 feet wide super-, 65; in the vicinity of Detroit, super-, 63; standards of width, 64; the master, 198.
 Highway plan, the great, 198.
 Highway system, a properly planned, 218.

Index

- Accident reporting system, standard, 158.
 Accident spot map, 17.
 ACCIDENTS, FINDING CAUSES OF. Sidney J. Williams, 156-60.
 Accidents: acute angle streets as breeder of, 167; causes of, 160; where they occur, 179.
 Airplane landing fields, 55.
 Arcading, 53. *See also* streets and sidewalks.
 Automobile storage: garages, 85; increase of garage usage, 87; non-profit, 88.
 Automobiles: reason for increasing use, 195; use of private, 194.
 BARBER, A. B. Making Our Traffic Laws Uniform, 128-33.
 BEECROFT, DAVID. Equipment and Control of the Motor Vehicle, 140-3.
 BELL, J. HASLETT. The Pedestrian and the City Plan, 207-14.
 BIBBINS, J. ROWLAND. Rapid Transit Development and the Modern City Plan, 194-9.
 BLACK, RUSSELL VAN NEST. The Spectacular in City Building, 50-6.
 Book Department, 250.
 BROUSSEAU, A. J. New Speed Laws for a New Era, 134-9.
 Business districts, the lighting recipes of, 36, 40.
 BUTTENHEIM, HAROLD S. The Problem of the Standing Vehicle, 144-55.
 Car-minute, the money value of a, 175, 176.
 Car, the standing, 5. *See also* parking.
 CAUCHON, NOULAN. Planning organic Cities to obviate congestion, 241-6.
 Centralization, forces acting for, 238. *See also* cities.
 Chicago Loop District, 196.
 Cities: advantages and disadvantages of decentralized, 236; double in population, 196; similarity of small and large, 195; planned to obviate congestion, 241.
 CITIES, TRANSIT FACILITIES OF. John P. Hallihan, 57-66.
 City, business district the show window of, 35.
 CITY BUILDING, THE SPECTACULAR IN. Russell Van Nest Black, 50-6.
 City building, theory of, 236.
 City, inefficiency and wastefulness of the super-, 51.
 City plan, elements in a successful, 248.
 CITY PLAN, RAPID TRANSIT DEVELOPMENT AND THE MODERN, J. Rowland Bibbins, 194-9.
 CITY PLAN, THE PEDESTRIAN AND THE. J. Haslett Bell, 207-14.
 CITY PLAN, THE PLACE OF THE MOTOR TRUCK IN THE MODERN. B. F. Fitch, 200-6.
 CITY PLAN, THE PLACE OF THE STREET CAR IN THE MODERN. Lucius S. Storrs, 186-93.
 CITY PLANNING ADMINISTRATION, OVERCOMING DIFFICULTIES IN. J. T. Woodruff, 247-9.
 City Planning; coöperation of newspapers in, 248; reasons for failure in, 247; the element of public contact in, 248.
 City, the probable American, 2.
 City, traffic in the centralized, 234.
 CONGESTION, PLANNING ORGANIC CITIES TO OBVIATE. Noulan Cauchon, 241-6.
 CRANE, JACOB L. Decentralization; Eventually but Not Now, 234-40.
 Crossings, economics of grade, 172.
 CROSSINGS, GRADE. Fred Lavis, 172-7.
 DECENTRALIZATION, EVENTUALLY BUT NOT NOW. Jacob L. Crane, Jr., 234-40.
 Decentralization: advocated, 154; essential, 201; residential, in New York, Philadelphia, Detroit, Chicago, Cleveland, and Seattle, 237; tendency toward in larger cities, 216; the pattern of, 235.
 Distribution; by various modes of street transportation, 12; efficiency of, 245.
 Driver, the dangerous, 164.
 du Pont Highway, the, 219.
 Ferries, New Jersey-Manhattan, 70.
 FITCH, B. F. The Place of the Motor Truck in the Modern City Plan, 200-6.
 Freight, trucking of, 203.
 Garages: location and type of construction, 85; increase, 87; non-profit storage, 88.
 Garages, Downtown Storage. Hawley S. Simpson, 82-9.
 GOODRICH, ERNEST P. Zoning and Its Relation to Traffic Congestion, 222-33.
 Grade crossings, 32.
 HAAS, O. F. Planning the Street Lighting System, 34-49.
 HALLIHAN, JOHN P. Transit Facilities of Cities, 57-66.
 Highways; as carriers of public utilities, 217; beauty as an element of, 217; elevated, 52; 204 feet wide super-, 65; in the vicinity of Detroit, super-, 63; standards of width, 64; the master, 198.
 Highway plan, the great, 198.
 Highway system, a properly planned, 218.

- Highway traffic signs, symbols for, 127.
 Holland Tunnel, 67.
 Holland Tunnel; New Jersey entrance and exit plazas of, 75; New York entrance and exit plazas of, 74; profile and cross section of, 72.
- ILDER, JOHN. Coordination of Traffic Facilities, 1-7.
 Intersections, cross, 241.
- KELCEY, GUY. Traffic Regulations to Prevent Accidents and to Expedite Fluid Traffic Movement, 161-71.
- LAVIS, FRED. Grade crossings, 172-7.
 LEWIS, HAROLD M. Routing Through Traffic, 19-27.
 Lighting of business districts, the, 37.
 Lights, color grouping of, 100.
 Loop, The Chicago, 236.
 LLOYD, M. G. Uniform Traffic Signs, Signals, and Markings, 121-7.
- MACDONALD, AUSTIN F. Parking Facilities outside the Traffic Zone, 78-81.
 Manhattan Bridge, origin and destination of motor vehicles crossing, 21.
 MARSH, BURTON W. Traffic Control, 90-113.
 MCCLINTOCK, MILLER. The Traffic Survey, 8-18.
 MOLLER, IRVING C. Guiding the Traffic Flow, 114-20.
 MOTOR VEHICLE, EQUIPMENT AND CONTROL OF THE. David Beecroft, 140-3.
 Motor Vehicle: progress in control of, 141; lights, 141; brakes, 142.
 Motorists' freedom, limiting, 78.
- New York, general traffic condition about, 67.
 New York, region, application of Metropolitan Loop Diagram to, 26.
- PANGBURN, WEAVER WEDDELL. Playgrounds a Factor in Street Safety, 178-85.
 Parking and storing of vehicles, 83.
 Parking: areas too far from traffic congestion, 81; day storage garages, 5; facilities to be provided, 5; limitation or abolition of, 147; mobile, 84; prohibited, 118; providing off-street facilities, 153; the attitude of retail merchants, 148; studies, 14; the evil of, 82; the situation, 120; three methods of relief of problem, 151; unlimited, 145.
 Parks, the pedestrian and, 212.
 Parkways and Boulevards, 33.
 Paving program, 32.
 Pedestrian: and parks, 212; and the street system, 207; and transportation, 211; and zoning, 213; *see also* zoning; civic architecture and, 213; movements, 15.
- Pedestrians, regulation of, 120.
 Pedestrian traffic: means of improvement of, 208; jaywalking, 208; keep-to-the-right rule, 209; subways as an aid to, 210.
- PLANNING AND RE-PLANNING THE STREET SYSTEM. Lawrence V. Sheridan, 28-33.
 Planning for decentralization, regional, 238.
See also cities.
 Planning, hexagonal, 241-6.
 Planning task, a regional, 3. *See also* cities.
- PLAYGROUNDS, A FACTOR IN STREET SAFETY. Weaver Weddell Pangburn, M.A., 178-85.
 Playgrounds: as safety zones, 178; backyard, 180; Colt Park, Hartford, Conn., 181; for children, 180-2; beautify the, 183; safety patrols, 183; movement for more, 185.
 Population distribution, control of, 216. *See also* zoning.
- Railroads, problem of, 202.
 Railway industry, electric, 190.
 Residence streets: equipment to meet requirement of, 45; the lighting recipe for, 47, 48.
 Route, the zig-zag, 244.
 Routes required, types of, 25.
- Safety: campaigns, 157; speed with, 243.
 SHERIDAN, LAWRENCE V. Planning and Re-planning the Street System, 28-33.
 Sidewalks: arcaded, 53; elevated, 54.
 Signal devices, electric "Stop-and-Go," historical development of, 93.
 Signals: for individual isolated intersections, 95; limitations and disadvantages of automatic, 96; to regulate and control traffic, 170.
- SIMPSON, HAWLEY S. Downtown Storage Garages, 82-9.
- SINGSTAD, OLE. The Relation of Tunnels and Bridges to traffic congestion, 67-77.
- SPEED LAWS FOR A NEW ERA, NEW. A. J. Brosseau, 134-9. "Stop" signs, 117.
- STORRS, LUCIUS S. The Place of the Street Car in the Modern City Plan, 186-93.
- Street and highway safety, National Conference on, 131.
 Street cars, 118.
 Street car and bus, the, 7.
- STREET LIGHTING SYSTEM, PLANNING THE. O. F. Haas, 34-49.
 Street plans shown diagrammatically, various types of, 25.
 Street space required in a modern city, 59.
 Street storage: effect on parking space, 83; of automobiles, 84. *See also* parking.
 Street system, the pedestrian and, 207.
 Street traffic problem, growing pressure of, 8.
 Streets and subways for maximum hour capacity of, 161.
 Streets: diagonal, 52; elevated, 54; facilities of, 196; *See also* Cities; increased safety of light-

- ing, 34; lighting of, 46; maintenance of lighting system, 49; narrow, 30; one-way, 119; overhead pedestrian crossings, 210; spacing of major, 33; the arcing of, 209; transportation, 57; primary purpose of, 144; use of parallel, 31; widening of, 31; widths, 33.
- STRONG, HOWARD.** Regional Planning and Its Relation to the Traffic Problem, 215-21.
- Subways: 54, 197; as an aid to pedestrian traffic, 210.
- Thoroughfares: diversion, 31; two types of, 71; typical, 42.
- Thoroughfares, lighting of, 41.
- Traction companies, what they are doing, 79.
- Traffic:** accidents, 162; analysis of accidents, 16; aids to safety, 146; amounts of through, 19; channelizing of, 168; comparisons of street, 222; data on rush-hour and non-rush hour, 228; disorder, 168; flow of vehicular, 11; hotels as a source of, 227; in centralized city, 234; order, 169; origin and destination studies, 12; peaks, 159; pedestrian, 208; progressive movement of, 101; provisions for uniform laws, 132; railroad and freight station, 226; regulation and control of on existing highways, 215; studies initiated by private interests, 9; subways for dense, 197; *See also* subways; survey of Boston, 10; survey, 9; tallies, 228; 114; three-way, 243; through and local, 31; uniform acts, 131; uniform laws, lack of, 128; variations in density of, 229; volume and character, 10.
- Traffic congestion:** accidents caused by, 29; bad advertising, 29; effects and causes of, 28; effect on business, 29; financial loss of, 23; grade crossings and, 30; minimum speed limits, 138; physical causes of, 30; relation of overbuilding to, 235; relief of, 31; solution for the future, 137; terminal areas effect on, 135; today, 134; *See also* zoning.
- Traffic Congestion, Columbus Circle, New York City,** 116.
- TRAFFIC CONGESTION, THE RELATION OF TUNNELS AND BRIDGES TO.** Ole Singstad, C. E., 67-77.
- TRAFFIC CONTROL.** Burton W. Marsh, 90-113.
- Traffic control;** automatic synchronized, 97; historical development of, 90; recommended, 13; timing study for, 112; the development of a technique, 8.
- Traffic Control systems;** flexible progressive, 104; limited progressive, 99-103; signals "Tied Together" into, 97.
- TRAFFIC FACILITIES, COÖRDINATION OF.** John Ihlder, 1-7.
- TRAFFIC FLOW, GUIDING THE.** Irving C. Moller, 114-20.
- Traffic lanes,** United States Capitol Plaza, 115.
- TRAFFIC LAWS UNIFORM, MAKING OUR.** A. B. Barber, 128-33.
- Traffic Officers,** advantages and disadvantages of, 91.
- Traffic problems:** interest of American Universities in, 9; private automobile a feature of, 6; zoning restrictions affecting, 229.
- TRAFFIC PROBLEM, REGIONAL PLANNING AND ITS RELATION TO THE.** Howard Strong, 215-21.
- TRAFFIC REGULATIONS TO PREVENT ACCIDENTS AND TO EXPEDITE FLUID TRAFFIC MOVEMENT.** Guy Kelcey, 161-71.
- TRAFFIC, ROUTING THROUGH.** Harold M. Lewis, 19-27.
- TRAFFIC SIGNS, SIGNALS, AND MARKINGS, UNIFORM.** M. G. Lloyd, 121-7.
- Traffic study,** administrative organization of, 16.
- TRAFFIC SURVEY, THE.** Miller McClintock, Ph.D., 8-18.
- Traffic systems:** control of signal lights in, 122; equipment of signals in, 107; field of growth of the electric signal in, 93; non-luminous signs of, 123; pavement markings in, 125; problem of installation of signals, 110; reflecting signs in, 124; survey for signal systems for, 111; standardization of signal colors for, 109; *See also* signals.
- TRAFFIC ZONE, PARKING FACILITIES OUTSIDE THE.** Austin F. Macdonald, 78-81.
- Transit:** facilities under private operation, 196; rapid, does it congest or decentralize, 198; rapid, when started, 197; safety zones, 211; the pedestrian and, 210.
- Transport system,** 194.
- Transportation:** in the moderate sized city, 191; increased cost of, 190; peak loads in, 189; revolution in, 188; the pedestrian and, 211.
- Trucks,** advantages of, 204.
- Tunnel location plan,** the Holland, 68.
- Tunnel plazas,** 73.
- Turns,** elimination of, 118.
- Vehicle code,** demand for formation of a uniform, 131.
- VEHICLE, THE PROBLEM OF THE STANDING.** Harold S. Buttenheim, 144-55.
- Wacker Drive,** Chicago, 198.
- WILLIAMS, SYDNEY J.** Finding the Causes of Accidents, 156-60.
- WOODRUFF, J. T.** Overcoming Difficulties in City Planning Administration, 247-9.
- Zone,** 30-minute time, 195.
- Zones:** safety, for pedestrians, 166; local business and industrial, 223.
- ZONING AND ITS RELATION TO TRAFFIC CONGESTION.** Ernest P. Goodrich, 222-33.
- Zoning:** 199; as a plan foundation, 248; control of population distribution by, 216; restrictions, 229; the pedestrian and, 213.

of,

mi-

, 6;

AND

ng,

NTS

VB-

win,

Un-

10.

pek,

122;

h of

s of,

n of

s in,

and-

also

SIDE

196;

198;

the

191;

189;

211.

orm,

ONG.

es of

es in

iness

NGES-

rol of

ions,